

Please amend the application as follows:

In the Claims

Please amend Claim 16.

16. (Three times amended) A spatial light modulator comprising:

an array of pixels formed on a semiconductor substrate, each pixel including a solid state electro-optic material positioned between a first electrode and a second electrode;

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a first layer of dielectric material forming a first mirror underneath the electro-optic material and a second layer of dielectric material forming a second mirror above the electro-optic material, the first mirror and second mirror forming a cavity; and

an array of pixel circuits formed with the semiconductor substrate, each pixel being connected to a pixel circuit.

Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (page i).

Please add new Claims 41- 42.

41. (New) The modulator of Claim 16 wherein each pixel is connected to a respective pixel circuit from among the array of pixel circuits.

42. (New) The modulator of Claim 16 used as a Fabry-Perot filter.